



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/019,445	12/31/2001	Yoshiko Yamada	217197US2PCT	4250
22850	7590	10/05/2005	EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			RAMAKRISHNAIAH, MELUR	
		ART UNIT	PAPER NUMBER	
		2643		

DATE MAILED: 10/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/019,445	YAMADA, YOSHIKO	
	Examiner Melur Ramakrishnaiah	Art Unit 2643	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 11 August 2005.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 24-43 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 34-43 is/are allowed.
- 6) Claim(s) 24-33 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>3-26-02/11-18-02</u> . <u>7-6-02</u> | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 24-31, 32-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baranowsky, II et al. (US PAT: 5,732,359, hereinafter Baranowsky) in view of Kaibo (Nikkei communications, 10-19-1998, pp 94-105) and Bradley (US PAT: 5,995,041, filed 12-30-1996).

Regarding claim 24, Baranowsky discloses the following: registering positions of the respective mobile stations in system groupings to which respective mobile stations correspond, storing information about the registration information of a position of one mobile station at a memory address specified by the corresponding mobile station, storing information for identifying the other mobile station at the specified memory address, retrieving information about position registration at a memory address specified for any of the mobile stations according to the incoming request sent from the public telephone network, retrieving information for identifying the other mobile station, which is stored at the memory address for the corresponding registration information, when an incoming call is undeliverable to the corresponding mobile station depending upon registration information, delivering an incoming call to the other mobile station according to retrieved information (figs. 1-9, col. 4, line 15- col. 16, line 19).

Art Unit: 2643

Regarding claim 32, Baranowsky discloses the following: registering positions of respective mobile stations in system groupings to which the respective mobile stations correspond, storing information about the registration of a position of one mobile station at a memory address specified for the corresponding mobile station, storing information for identifying the other mobile station at the specified memory address, retrieving information about a position registration at a memory address specified for the two mobile stations according to the incoming request sent from the public telephone network, originating calls for two mobile stations and connecting the same to a mobile station answered in advance, when the position registration information for both mobile stations is stored as a result of the retrieval (figs. 1-9, col. 4, line 15- col. 16, line 19).

Baranowsky differs from claims 24 and 32 in that he does not explicitly teach the following: a satellite-based system for mobile stations and separate mobiles for routing incoming calls.

However, Kaibo discloses the following: a satellite-based system for mobile stations (pages 7-19); and Bradley teaches separate mobiles (102/104, 204, fig. 1) for routing calls (fig. 14, col. 10 lines 45-58, col. 11, lines 19-30).

Thus, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify Baranowsky's system to provide for the following: a satellite-based system for mobile stations as this arrangement would facilitate to service the calls to the users located anywhere in the world as taught by Kaibo; separate mobiles for routing incoming calls as this arrangement would facilitate routing the call to the required mobile phone as taught by Bradley.

Regarding claims 27-28, 33, Baranowsky teaches the following: setting a preferentially connected mobile station, wherein the position registration information retrieving step retrieves information about a position registration at a memory address specified for set mobile station, when a preferentially connected mobile station is designated by the calling side having issued an incoming request, the position registration information retrieves information about a position registration at a memory address specified for the mobile station (col. 8, line 21 – col. 16, line 19).

Baranowsky differs from claims 30-31 in that he does not teach the following: billing system for charging to the call, plurality of satellite based systems and a plurality of ground based systems, and effecting connection control on the corresponding mobile station by any system subjected to the position registration information according to an incoming request.

However, Kaibo discloses the following: billing system for charging to the call, plurality of satellite based systems and a plurality of ground based systems, and effecting connection control on the corresponding mobile station by any system subjected to the position registration information according to an incoming request (pages 7-19).

Thus, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify Baranowsky's system to provide for the following: billing system for charging to the call as this arrangement would facilitate billing thus keeping track of the calls, and plurality of satellite based systems and a plurality of ground

based systems, and effecting connection control on the corresponding mobile station by any system subjected to the position registration information according to an incoming request as this arrangement would facilitate to service the calls to the users located anywhere in the world as taught by Kaibo.

Baranowsky differs from claims 25-26, and 29, in that he does not teach the following: one mobile station is a cellular mobile station and the other mobile station is a satellite single mobile station, and wherein the identification information retrieving retrieves identification information for the satellite single mobile station when incoming call is undeliverable to the cellular mobile station depending on the retrieved position registration information even if a predetermined time is elapsed or even after a predetermined number of calls are performed, delivering the incoming call to the other mobile station delivers the incoming call to the retrieved identification information when an approval on the calling side having issued an incoming request is received, the satellite single mobile station and cellular mobile station are different in telephone number from each other, and position registration information retrieves information about a position at a memory address specified for mobile station which has a telephone number designated by the calling side having issued an incoming request.

However, Bradely teaches the following: one mobile station is a cellular mobile station (202/204, fig. 1) and the other mobile station is a satellite single mobile station (102/104, fig. 1) and wherein the identification information retrieving retrieves identification information for the satellite single mobile station when incoming call is undeliverable to the cellular mobile station (this is implied by caller using a satellite

Art Unit: 2643

telephone number) depending on the retrieved position registration information even if a predetermined time is elapsed or even after a predetermined number of calls are performed, delivering the incoming call to the other mobile station delivers the incoming call to the retrieved identification information when an approval on the calling side having issued an incoming request is received, the satellite single mobile station and cellular mobile station are different in telephone number from each other, and position registration information retrieves information about a position at a memory address specified for mobile station which has a telephone number designated by the calling side having issued an incoming request (col. 10 lines 45-59).

Thus, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify Baranowsky's system to provide for the following: one mobile station is a cellular mobile station and the other mobile station is a satellite single mobile station, and wherein the identification information retrieving retrieves identification information for the satellite single mobile station when incoming call is undeliverable to the cellular mobile station depending on the retrieved position registration information even if a predetermined time is elapsed or even after a predetermined number of calls are performed, delivering the incoming call to the other mobile station delivers the incoming call to the retrieved identification information when an approval on the calling side having issued an incoming request is received, the satellite single mobile station and cellular mobile station are different in telephone number from each other, and position registration information retrieves information about a position at a memory address specified for mobile station which has a

Art Unit: 2643

telephone number designated by the calling side having issued an incoming request as this arrangement would facilitate routing the call to the desired mobile station depending on the feasibility of the connecting the call as taught by Bradley.

3. Claims 34-43 are allowed.

Response to Arguments

4. Applicant's arguments with respect to claims 24-33 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melur Ramakrishnaiah whose telephone number is (571)272-8098. The examiner can normally be reached on 9 Hr schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curt Kuntz can be reached on (571) 272-7499. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2643

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Melur Ramakrishnaiah

PRIMARY EXAMINER

AU 2643